

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION EC-69

Effective April 1, 2014

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **February 2015**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Finestone® Pebbletex® DCA Design Exterior Insulation and Finish System, manufactured by

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will be accepted in designated catastrophe zones along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Finestone® Pebbletex® DCA Design is a water-drainage Class PB exterior insulation and finish system (EIFS) that is used as an exterior wall finish on buildings. The wall system is comprised of reinforced air/water-resistive barrier, adhesive, EPS insulation board, reinforced base coat, and a 100 percent acrylic polymer finish. The finish is available in different colors and textures.

LIMITATIONS

Wall Framing: Exterior wall framing and exterior wall construction shall be as specified in the assemblies listed in this evaluation report.

Design Wind Pressures: The design wind pressures shall be as specified in the assemblies listed in this evaluation report.

Lateral Resistance: The Finestone® Pebbletex® DCA Design wall system shall not be used as wall bracing or as shearwalls.

Insulation Boards:

- The EPS boards size is limited to 2' x 4'. The required minimum thickness shall be as specified in the assemblies in this evaluation report.
- Insulation boards shall be a single piece around corners of penetrations.
- Stagger joints in a running bond pattern offset a minimum of 24 inches.

Insulation Boards (continued):

- Offset from sheathing joints by a minimum of 16 inches. Offset from corners of doors, windows, and other penetrations by a minimum of 4 inches.
- Channels in the insulation boards and/or channels of adhesive on the back of the insulation boards shall run in vertical patterns.

Reinforce Base Coat:

- Standard 4 reinforcing mesh / Intermediate 6 / Intermediate 12 shall overlap a minimum of 2 $\frac{1}{2}$ inches.
- Strong 15 / Hi-Impact 20 mesh shall not overlap. Butt edges together. After the Strong 15 / Hi-Impact 20 mesh are embedded in the base coat, a second layer of Standard 4 reinforcing mesh / Intermediate 6 / Intermediate 12 shall cover that layer.
- Install a second layer of reinforcing mesh a minimum of 4 inches on both sides of the inside and the outside corners.

INSTALLATION INSTRUCTIONS

General Installation Requirements: International Residential Code (IRC) and International Building Code (IBC) requirements shall be satisfied and the manufacturer's installation instructions followed, unless otherwise specified by this product evaluation report.

Installation: Installation shall be in accordance with the following assemblies (components listed in each assembly are from the inside out):

Assembly No. 1

Design Pressure:	-30.0 psf
Wall Studs:	Minimum 18 gauge 3 $\frac{5}{8}$ " x 1 $\frac{5}{8}$ " steel studs; Maximum 16 inches on center
Sheathing:	Minimum $\frac{1}{2}$ " DensGlass Gold® or $\frac{1}{2}$ " GlasRoc® or $\frac{1}{2}$ " USG® Securock; Applied with horizontal and vertical joints; Attached with 1 $\frac{1}{4}$ " No. 6 Bugle head screws spaced 8 inches on center around the perimeter and in the field.
Fabric:	Sheathing fabric embedded in the Finestop RA over joints
Air/water Resistive Barrier:	Finestop RA roller applied to a wet film thickness of 10 mils.
Insulation:	1" expanded polystyrene; Minimum 1 pcf; Adhesively applied to the sheathing with Pebbletex® base coat using a $\frac{1}{2}$ " x $\frac{1}{2}$ " x 2" notched trowel.
Base Coat:	Pebbletex® base coat; Applied with a flat, stainless steel trowel to a minimum $\frac{1}{16}$ inch thickness.
Reinforcing Mesh:	Standard 4 reinforcing mesh embedded in Pebbletex base coat.
Finish:	Finestone finish.

Assembly No. 2

Design Pressure:	-30.0 psf
Wall Studs:	Minimum 18 gauge 3 $\frac{5}{8}$ " x 1 $\frac{5}{8}$ " steel studs; Maximum 16 inches on center
Sheathing:	Minimum $\frac{1}{2}$ " DensGlass Gold® or $\frac{1}{2}$ " GlasRoc® or $\frac{1}{2}$ " USG® Securock; Applied with horizontal and vertical joints; Attached with 1 $\frac{1}{4}$ " No. 6 Bugle head screws spaced 8 inches on center around the perimeter and in the field.
Mesh Tape:	Self adhering mesh tape applied over the sheathing joints.
Air/water Resistive Barrier:	Finestop; trowel applied at a $\frac{3}{32}$ " thickness.
Insulation:	1" expanded polystyrene; Minimum 1 pcf; Adhesively applied to the sheathing with Pebbletex® base coat using a $\frac{1}{2}$ " x $\frac{1}{2}$ " x 2" notched trowel.
Base Coat:	Pebbletex® base coat; Applied with a flat, stainless steel trowel to a minimum $\frac{1}{16}$ inch thickness.
Reinforcing Mesh:	Standard 4 reinforcing mesh embedded in Pebbletex base coat.
Finish:	Finestone finish.

Assembly No. 3

Design Pressure:	-30.0 psf
Wall Studs:	Minimum 18 gauge 3 $\frac{5}{8}$ " x 1 $\frac{5}{8}$ " steel studs; Maximum 16 inches on center
Sheathing:	Minimum $\frac{1}{2}$ " DensGlass Gold® or $\frac{1}{2}$ " GlasRoc® or $\frac{1}{2}$ " USG® Securock; Applied with horizontal and vertical joints; Attached with 1 $\frac{1}{4}$ " No. 6 Bugle head screws spaced 8 inches on center around the perimeter and in the field.
Fabric:	Sheathing fabric embedded in the Finestop RA over joints
Air/water Resistive Barrier:	Finestop RA roller applied to a wet film thickness of 10 mils.
Insulation:	1" expanded polystyrene; Minimum 1 pcf; Adhesively applied to the sheathing with Pebbletex® base coat using a $\frac{1}{2}$ " x $\frac{1}{2}$ " x 2" notched trowel.
Base Coat:	Pebbletex® base coat; Applied with a flat, stainless steel trowel to a minimum $\frac{1}{8}$ inch thickness.
Reinforcing Mesh:	Hi-Impact 20 reinforcing mesh embedded in Pebbletex base coat.
Base Coat:	Pebbletex® base coat; Applied with a flat, stainless steel trowel to a minimum $\frac{1}{16}$ inch thickness.
Reinforcing Mesh:	Standard 4 reinforcing mesh embedded in Pebbletex base coat.
Finish:	Finestone finish.

Assembly No. 4

Design Pressure:	-30.0 psf
Wall Studs:	Minimum 18 gauge 3 $\frac{5}{8}$ " x 1 $\frac{5}{8}$ " steel studs; Maximum 16 inches on center
Sheathing:	Minimum $\frac{1}{2}$ " DensGlass Gold® or $\frac{1}{2}$ " GlasRoc® or $\frac{1}{2}$ " USG® Securock; Applied with horizontal and vertical joints; Attached with 1 $\frac{1}{4}$ " No. 6 Bugle head screws spaced 8 inches on center around the perimeter and in the field.
Mesh Tape:	Self adhering mesh tape applied over the sheathing joints.
Air/water Resistive Barrier:	Finestop; trowel applied at a $\frac{3}{32}$ " thickness.
Insulation:	1" expanded polystyrene; Minimum 1 pcf; Adhesively applied to the sheathing with Pebbletex® base coat using a $\frac{1}{2}$ " x $\frac{1}{2}$ " x 2" notched trowel.

Assembly No. 4 (Continued)

Base Coat:	Pebbletex® base coat; Applied with a flat, stainless steel trowel to a minimum $\frac{1}{8}$ inch thickness.
Reinforcing Mesh:	Hi-Impact 20 reinforcing mesh embedded in Pebbletex base coat.
Base Coat:	Pebbletex® base coat; Applied with a flat, stainless steel trowel to a minimum $\frac{1}{16}$ inch thickness.
Reinforcing Mesh:	Standard 4 reinforcing mesh embedded in Pebbletex base coat.
Finish:	Finestone finish.

Assembly No. 5

Design Pressure:	-37.5 psf
Wall Studs:	Minimum 2x4 Southern Yellow Pine dimension lumber; Maximum 16 inches on center.
Sheathing:	Minimum $\frac{5}{8}$ " plywood; Applied with horizontal and vertical joints; Attached with minimum 8d common wire nails spaced 6 inches on center around the perimeter and 12 inches on center in the field.
Fabric:	Sheathing fabric embedded in the Finestop RA over joints
Air/water Resistive Barrier:	Finestop RA; 2 coats roller applied to a wet film thickness of 20 mils (10 mils each coat).
Insulation:	1" expanded polystyrene; Minimum 1 pcf; Adhesively applied to the sheathing with Pebbletex® base coat using a $\frac{1}{2}$ " x $\frac{1}{2}$ " x 2" notched trowel.
Base Coat:	Pebbletex® base coat; Applied with a flat, stainless steel trowel to a minimum $\frac{1}{16}$ inch thickness.
Reinforcing Mesh:	Standard 4 reinforcing mesh embedded in Pebbletex base coat.
Finish:	Finestone finish.

Note: The manufacturer's installation instructions shall be on the job site during the installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.